17(1) sov/20-125-3-61/63 Kikayon, E. E. AUTHOR: Experimental Investigations of the Role of Local Obstacles to Blood-stream During the Development of Atherosclerotic TITLE: Alterations in Arteries (Eksperimental noye issledovaniye znacheniya mestnykh prepyatstviy dlya krovotoka v razvitii ateroskleroticheskikh izmeneniy arteriy)

Doklady Akademii nauk SSSR, 1959, Vol 125, Nr 3, pp 681-683 PERIODICAL: (USSR)

ABSTRACT:

It is well-known that in the complex theory of the pathogenesis of atherosclerosis the disturbances in the cholesterin metabolism play the leading part. Mechanical and hemodynamic effects upon the vascular wall are above all regarded as favorable factors (Ref 1). Since - according to his information no special investigations have been carried out with respect to the problem mentioned in the title, the author studied the disturbance of local hemodynamic conditions of the localization of experimental atherosclerosis. 36 rabbits served for this experiment. Apart from their normal feed all animals were daily

fed on 0.5 g cholesterin solved in 10 ml sunflower-seed oil. Card 1/4

Experimental Investigations of the Role of Local SOV/20-125-3-61/63
Obstacles to Blood-stream During the Development of Atherosclerotic

After 1.5 - 2 months the right Carotis communis was ligatured in all animals 1 cm in distal direction from the branching of the art thyreoidea superior. At the same time the left Carotis was extracted, but not ligatured. It served for control purposes. After the operation the rabbits were still fed on cholesterin, after a period of between 18 days and 6 months they were killed. 2 animals were fed on cholestorin during a period of 1 and 1.5 years respectively. Among 36 rabbits in 31 animals atherosolerotic alterations occurred proximal to the ligatured point of the right Carotis. In 5 animals - they were only for a short time fed on cholesterin (1 month and somewhat longer) - no alterations occurred. In the left Carotis (not ligatured) only 5 rabbits showed the mentioned alterations, i.e. those animals that were fed on cholesterin for the longest period. In the remaining 31 the left Carotis remained unchanged. The changes in the right artery were according to the duration of cholesterin feeding and the ligature of the artery clearly marked. There were, however, exceptions in both directions. The A. thyrecidea was in all cases hypertrophied. The altered parts are described (Fig 1). To begin with small amounts of

Card 2/4



Experimental Investigations of the Role of Local 50V/20-125-3-61/63 Obstacles to Blood-stream During the Development of Atherosclerotic Alterations in Arteries

diffused and fine lipoid drops were deposited between endothelium and the inner elastic membrane. They are almost always located around the whole artery, however, most abundantly on its dorsal wall. With progressing process the amount of lipoids rises which entails a rapid growing thicker of the intima. The main part of the lipoids is absorbed by the macrophages. In the control animals (no cholesterin) the lumen of the ligatured right artery was rather considerably contracted. Its wall was considerably thickened at the expense of a decrease of the Tunica media. The above investigation entails the question which conditions are responsible for the occurring of highly arteriosclerotic alterations in the ligatured artery at an earlier time than in the not ligatured artery.

Card 3/4

Experimental Investigations of the Role of Local SOV/20-125-3-61/63 Obstacles to Blood-stream During the Development of Atherosclerotic Alterations in Arteries

> The author describes some of these factors as possible. There are 1 figure and 7 references, 6 of which are Soviet.

ASSOCIATION: Institut eksperimental noy meditsiny Akademii meditsinskikh

nauk SSSR (Institute of Experimental Medicine of the Academy

of Medical Sciences, USSR)

PRESENTED: December 7, 1958, by N. N. Anichkov, Academician

SUBMITTED: December 2, 1958

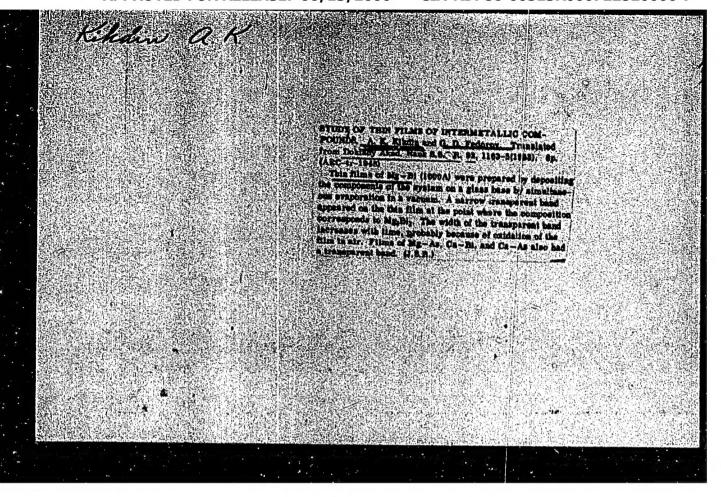
Card 4/4

KIKAYON, E. E., Doc Med Sci -- "Morphological bases of coronary insufficiency in stenotic arteriosclerosis of coronary arterios." Len, 1961. (State Order of Lenin Inst Advanced in Med im S. M. Kirov) (KL, 8-61, 257)

- 412 -

KIKAYON, Ye.Ye.

Intercoronary anastomoses in the system of coronary erteries of the heart in stemosing atherosclerosis. Kardiologiia 1 no.58 83-89 '61 (MIRA 17:4)



KIKELIDZE, M.A.; ARSENISHVILI, A.Yu.; PEROVA, V.V.; MANDZQAIADZE, S.N.

Metallurgical characteristics of Sadakhlo, Adzhami, Darkveti, and Motsameti limestones [in Georgian with summary in Russian]. Trudy Inst. met. i gor. dela AN Gruz. SSR 2:175-197 49. (MIRA 11:1) (Georgia--Limestone)

KIKTEPIL', T. F.

KIMERPIL', E. P. -- "Investigation of the Possibility of Using Heavy Oils form Estonian Oil Shale for the Preservation of Lumber." Min Higher Education USSE. Leningrad Order of Lenin Inst of Bailroad Gransport Engineers imeni Academician M. M. Obraztoov. Tallin, 1955. (Dissertation for the Degree of Candidate in Technical Sciences)

SOURCE Knizhnaya Letopist, No 6 1956

KIKETS, Yu.A. (Kremenets)

Historical information on the tepic "Progression." Mat. v shkele no.1:38-44 Ja-F 156. (MLRA 9:4)

(Mathematics--Study and teaching)

KIKETS', Yu.O.

History of negative numbers. Nauk.zap.Krem.derzh.ped.inst. no.4:130-142 150. (MIRA 13:9)

111601161

POLAND/Chemical Technology. Cellulose and its Derivatives.

H

Abs Jour: Ref. Zhur.Khimiya, No 12, 1958, 41912.

Author : Kikevich.

Inst : Not giren.

: Suitability of the Haug's Refiners in View of the Most Title

Recent Investigations.

Orig Pub: Przegl. papiern., 1955, 11, No 12, 356-364.

Abstract: The optimum working conditions of a refiner used on pulp is established. When the extent of the limit of the grinding is 40°ShR, the tearing length is equal to 2000m, the refiner's efficiency is four tons per twentyfour hours. The best grinding effect is achieved at a 14% concentration. A Haug's refiner requires elaborate attention.

Card : 1/1

28

KIKGOF, YU. A. APRROMED FOR RELEASE: 2644,3/2000 LOKICIA-RDR86,0051,3R000722520006-7" ZAGARMISTR, A.M., KUPALOV-YAROPOLK, I.K., PETROV, L.V., TYABIN, V.Ye., FEDORENKO, A.N., sostaviteli; DYUKOV, A.I., KLESHCHEV, A.I., redaktory.

> [All-Union unified norms for geophysical field work] Vsesoiuznye edinye normy vyrabotki na polevye geofrafisheskie raboty. [Sostaviteli: Resnik A.M. i dr. Redaktory: A.I.Diukov, A.I.Kleshchev] Moskva, Gos. nauchno-tekhn. izd-vo neftianci i gorno-toplivnci lit-ry, 1951. 146 p. (MLRA 7:4) (Geophysics)

KIKHADZE, I.I., kand.biologicheskikh nauk

Work of a chromosome. Nauka i zhizn: 29 no.4:21-23 Ap 162.
(MIRA 15:7)

l. Zaveduyushchaya gruppoy oblshchey tsitologii Instituta tsitologii i genetiki Sibirskogo otdeleniya AN SSSR.
(CHROMOSOMES)

KIKHADZE, J.I.

Listribution of trace elements in intrusive rocks and minerals in the Tsuni region (lower Symmetrys). Trudy GPI [Gruz.] no.2:115-126 167. (MTPA 17:9)

KIKHADZE, V.D.; ABESADZE, A.I.; DOLIDZE, F.P. (Tbilisi)

Role of the liver in the blood coagulation system. Pat. fiziol. i eksp. terap: 5 no.6:61-62 N-D '61. (MIMA 15:4)

1. Iz Instituta perelivaniya krovi imeni akademika G.Mukhadze Ministerstva zdravookhraneniya Gruzinskoy SSR. (LIVER) (BLOOD—COAGULATION)

KIKHAREV, I. M.

(Terrestrial mollusor of the fauna of the U.S.S.R.) Moskva, 1952. 511p. (Akademiia nauk SSSR. Opredeliteli pofaune SSSR, izdav emye Zo-ologicheskim institutom, 43)

KIKHAYEVA, I.D.

Soptember apricots. Kons.i ov.prom. 15 no.9:33 S 160. (MIRA 13:9)

Dagostanskiy sovnarkhoz.
 (Daghostan-Apricot-Varieties)

KIKHILEVICH, T.I., inzh.

Experience in the simultaneous treatment of received and transmitted data in the Minsk telegraph exchange. Vest. sviazi 22 no.1:25
Ja *62. (MIRA 14:12)

1. Tekhnicheskiy otdel Minskogo tsentral nogo telegrafa. (Minsk--Telegraph)

KIKHIYA, S.S.

Rodent fauna of the Alazan' basin [in Georgian with summary in Russian]. Trudy Inst. zool. AN Gruz. SSR 16:87-105 '58.

(MIRA 11:12)

(Alazan' Valley--Rodentia)

DELIMARSKIY, Yu.K.; KIKHNO, V.S.

Determination of the zero points of some solid metals in a fused mixture of NaCl-KCl by measuring the double layer capacity. Ukr. khim. zhur. 31 no.1:116-117 '65. (MIRA 18:5)

1. Institut obshchey i neorganicheskoy khimii AN UkrSSR.

DELTISECKTY, Yours, FIRENT, V. L.

Determination of sem joins, of tantatum and tergillism in fused scales. When keins there is no 8:872-873 (65) (6364-18:9)

I. Problem Charthey I recream energy Whirt Al Chrish.

William V. S.

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26279 \$/073/61/027/004/003/004 B127/B203

AUTHORS:

Sheyko, I. N., Chernov, R. V., and Kikhno, V. S.

TITLE:

Melting diagrams of some salt systems containing potassium

fluozirconate. Communication I

PERIODICAL:

Ukrainskiy khimicheskiy zhurnal, v. 27, no. 4, 1961, 469-473

TEXT: For obtaining metallic zirconium, the electrolysis of selt melts is used; the metling diagrams of these salts were studied by the authors. Primarily, KF-K₂ZrF₆; KCl-K₂ZrF₆; KCl-K₃ZrF₇; NaCl-K₂ZrF₆; KCl-NaCl-K₂ZrF₆; KCl-NaCl-K₃ZrF₇. The studies were conducted by the visual-polythermic method. Arrangement: A platinum pot placed in quartz was arranged in an electric furnace with a Pt-Pt-Rh thermocouple in argon atmosphere; results

are given in Figs. 1 - 5. All systems melt congruently; the systems KCl-K₃ZrF₇ and KCl-NaCl-K₃ZrF₇ show a simple eutectic; K₂ZrF₆, however, melts incongruently, and the salt K₃ZrF₇ first crystallizes out of its melt. There are 5 figures and 6 references: 4 Soviet and 2 non-Soviet. Card 1/7

26279 \$/073/61/027/004/003/004

B127/B203

Melting diagrams of some salt systems ...

The two references to English-language publications read as follows: Ref. 3: M. Steinberg, M. Sibert, E. Wainer, J. Electrochem. Soc., 101, 63 (1954); 103, 137 (1955); Ref. 5: C. I. Barton, W. R. Crimes, H. Insley. R. E. Moore, R. E. Throma, J. physic. chem., 62, 665 (1958).

ASSOCIATION: Institut obshchey i neorganicheskoy khimii AN USSR (Institute of General and Inorganic Chemistry AS UkrSSR)

SUBMITTED: April 29, 1960

Fig. 1. System KF-K2ZrF6

Fig. 2. System KC1-K2ZrF6

Fig. 3. System KC1-K32rF7

Fig. 4. System NaCl-K2ZrF6

Fig. 5. System KC1-NaC1-KzZrF7

Card 2/7

43054

S/826/62/000/000/004/007 D408/D307

5.4700

AUTHORS:

Sheyko, I.N., Chernov, R.V. and Kikhno, V.S.

TITLE:

Phase diagram of the chloride-fluoride system

of sodium, potassium, and zirconium

SOURCE:

Fizicheskaya khimiya rasplavlennykh soley i shlakov; trudy Vses. soveshch. po fiz. khimii raspl. soley i shlakov; 22 - 25 noyabrya 1960 g. Moscow, Metallurgizdat, 1962, 72 - 76

TEXT: The authors investigated the behavior of molten K2ZrF6 on cooling and the phase diagrams of the systems K2ZrF6--KC1, K2ZrF6--NaC1, K2ZrF6--KF, K3ZrF7--KC1, K3ZrF7--NaC1, and K3ZrF7--KC1--NaC1 by the cooling curve method, in order to make good deficiencies in the literature concerning potential electrolytic production of Zr. K3ZrF7 was prepared by fusing together the appropriate amounts of KF and K2ZrF6 melted incongruently and, when the melt was cooled, K3ZrF7 was the first compound to crystal-Card 1/3

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000722520006-7"

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S/826/62/000/000/004/007 D408/D307

Fhase diagram ...

lize out, at 757°C. A thermal effect observed at 591°C probably corresponded to the formation of the compound ZrF4.mKF, where m < 3. The phase diagram of the K2ZrF6-KF system showed the formation of K3ZrF7, melting at 921°C, and a eutectic containing 17 mol.% K2ZrF6, which melted at 766°C. The systems K3ZrF7-KCl, equimolar KCl - haCl mixture-K3ZrF7, and K3ZrF7-NaCl were also found to be relatively simple, having single eutectics containing 23, 21 and 20 mol.% K2ZrF7 and melting at 660, 630 and 555°C respectively; a solid solution of NaCl in K3ZrF7 was also observed in the K3ZrF7--NaCl system. The K2ZrF6-KCl system was characterized by the presence of the compound K3ZrF6Cl, congruently melting at 730°C, and two eutectics containing 23 and 95 mol.% K2ZrF6 melting at 678 and 562°C respectively. The K2ZrF6-NaCl system was the most complex of systems investigated, and interpretation of the obtained results is difficult: The liquids curve consists of three branches, the NaCl and K3ZrF6Cl branches intersecting at 550°C and 28 mol.% K2ZrF6, and K5ZrF6Cl and K3ZrF7 branches intersecting at 650°C and 79 mol.% K2TF6Cl and K3ZrF7 branches intersecting at 650°C and 79 mol.%

Card 2/3

Phase diagram ...

\$/826/62/000/000/004/007 D408/D307

carried out by the method of temperature depression, whereby the addition of KCl to the melt containing 60 - 65 mol.% K2ZrF6 increased the temperature of initial crystallization, and with further addition of KCl the rate of temperature rise slowed down, or the temperature even partially decreased; addition of Na2ZrF6 decreased the temperature of initial crystallization. There are 6 figures.

ASSOCIATION:

Institut obshchey i neorganicheskoy khimii AN USSR (Institute of General and Inorganic Chemistry AS UKRSSR)

X

Card 3/3

SHEYKO, I.N.; KIKHNO, V.S.; MEL'NIKOV, V.I.

Melting diagram of the ternary system NaF - KF - ZrF4. Ukr.khim. zhur. 29 no.12:1259-1264 '63. (MIRA 17:2)

1. Institut obshchey i neorganicheskoy khimii AN UkrSSR.

L 20758-65 EWT(m)/T ASD(m)-3 EWH

ACCESSION NR: AP5000476

S/0073/64/030/011/1156/1158

AUTHOR: Delimarskiy, Yu. K.; Kikhno, V. S.

TITLE; Determination of the zero points of certain solid metals in molten NaCl-KCl mixtures by measuring the capacitance of the double layer

SOURCE: Ukrainskiy khimicheskiy zhurnal, v. 30, no. 11, 1964, 1156-1158

TOPIC TAGS: nickel, silver, chromium, manganese, zero point

ABSTRACT: The capacitance was measured of the double layer between solid Ni, Ag, Cr and Mn electrodes and the molten NaCl-KCl electrolyte under dry argon at 700C. In all the capacitance-potential curves the capacitance of the double layer decreased to a minimum with increasing cathodic polarization, and then increased; the potential minimum depended only on the metal. In comparison to a silver electrode the values, in volts, were: Ni, -0.72; Ag, -0.80; Cr, -1.16; Mn, -170. The capacitance minima were higher for solid electrodes than for the corresponding liquid electrodes. The actual surface of the solid metal in compar-

Cord 1/2

L 20758-65

ACCESSION NR: AP5000476

ison to the apparent surface was calculated from these capacitance values: for Ni and Ag the coefficient was 3-3, 5; for the more porous Cr and Mn, the value was higher. The zero point of Ag in comparison to a chlorine electrode was -1,89v. Orig. art. has: I figure

ASSOCIATION: Institut obshchey i neorganicheskoy khimii AN Ucr SSR (Institute of General and Inorganic Chemistry AN Ucr SSR)

SUBMITTED: 23Apr64

ENCL: 00

SUB CODE: IC. GC

NO REF SOV: 008

OTHER: 003

Card2/2

PROZOROV, V., polkovnik; KIKHTENKO, G., polkovnik; DUBROVIN, K., polkovnik zapasa

Rifle units in attack. Voen. vest. 41 no.4:39-41 Ap 162.

(MIRA 15:4).

KHLEBNIKOV, Yu.P.; KIKHTENKO, V.A.

New cyclone-type air filter with automatic dust removal. Trakt. i sel'khozmash. 31 no.12:3-4 D '61. (MIRA 15:1)

Gosudarstvennoye spetsial noye byuro po dvigatelyam.
 (Air filters)

KIKHTENKO, V.A.; KHLEBNIKOV, Yu.P.; YEGOROV, I.M., kand. tekhn. nauk, retsenzent; DVOROVENKO, G.P., kand. tekhn. nauk, red.; YEGORKINA, L.I., red. izd-va; EL'KIND, V.D., tekhn. red.

[Cyclone air cleaners for tractors] Traktornye tsiklonnye vozdukhochistiteli; konstruktsiia, raschet, obsluzhivanie i ispytanie. Moskva, Mashgiz, 1963. 150 p.

(MIRA 16:7)

(Tractors-Equipment and supplies) (Air filters)

UR/0089/66/021/005/0395/0397 -(A, N) SOURCE CODE: ACC NR: AP/000800

AUTHOR: Degtyarev, S. F.; Kikhtevich, V. I.; Tikhonov, V. K.; Tsypin, S. G.

ORG: none

TITLE: Dependence of the accumulation factor of fast neutrons on the relative arrangement of the shield and detector

SOURCE: Atomnaya energiya, v. 21, no. 5, 1966, 395-397

TOPIC TAGS: fast neutron, neutron radiation, radiation intensity, lithium compound, neutron shielding, neutron distribution, reutron distribution

AESTRACT: The authors present results of an experimental and theoretical investigation of the dependence of the flux of fast neutrons with energy $E \geq 0.7$ MeV on the distance R for a constant distance between the source and the shield. The shielding barriers used were plates of lithium hydride 45 and 60 cm thick and of density 0.5 g/cm3. The transverse dimensions of the plates were chosen such that the detector placed inside the shield or on its surface was under conditions of so-called infinite geometry. The neutron flux was registered by scintillation counters of ZnS(Ag) powder pressed in Plexiglas. The quantitities measured directly were the fast-neutron flux on the surface of the shield and the flux at a distance R from the shield. The lackground was determined by suppressing the primary effect with the aid of an additional shield. In the reduction of the data use was made of earlier investigations the authors, reported in the same source (p. 392, Acc. Mr. AP(000798) of the

Card 1/2

UDC: 539.125.52: 539.121.72

ACC NR: AP7000800

angular distribution of neutrons. The experimental values obtained for the build up factor as a function of the distance from the shield to the detector are found to be in agreement with formulas derived on the basis of numerous published theoretical papers. The results show that, with increasing distance from the shield, the fraction of the scattered radiation in the total neutron flux decreases, and the fraction. of the unscattered radiation increases. Orig. art. has: 4 figures and 7 formulas.

SUB CODE: 2018/ SUBM DATE: 05Jul66/ ORIG REF: 005/ OTH REF: 001

Card 2/2

ACCESSION NR: AP4031139 S/0056/64/046/004/1208/1211

AUTHORS: Il'in, R. N.; Kikiani, B. I.; Oparin, V. A.; Solov'yev, Ye. S.; Fedorenko, N. V.

TITLE: Dissociation of positive hydrogen ions in collisions with atoms and gas molecules

SOURCE: Zh. eksper. i teor. fiz., v. 46, no. 4, 1964, 1208-1211

TOPIC TAGS: proton cross section, hydrogen, nitrogen, helium, argon, particle collision, ionization phenomena

ABSTRACT: The purpose of the work was to repeat the measurements of the cross section for the production of protons following dissociation of molecular ions H₂⁺ with energy 10--180 keV in hydrogen, nitrogen, helium, and argon, using the same setup as previously (ZhETF v. 36, 385, 1959), but with a more thorough elimination of the main sources of the systematic errors. Comparison of the data obtained

Card 1/3

CIA-RDP86-00513R000722520006-7

ACCESSION NR: AP4031139

on these cross sections with the work published by others shows that ever a wide energy range the majority of the curves obtained in recent work lies between the data of Sweetman (Proc. Roy. Soc. v. A256, 416, 1960 and private communication) and the early work by the authors, with the exception of the early data by C. F. Barnett (Second UN Intern. Conf. on Peaceful Uses of Atomic Energy, Geneva, 1958, Report 1789) which lie considerably below. Taken together, the various data cover almost the whole range of kiloelectron volt energies. For hydrogen, the maxima discovered and reported in the early work are confirmed, the first being due to the predominant contribution of the dissociation of H⁺ ions into atoms and protons, and the second being related to the dissociation into two protons. A separate measurement of these two cross sections by J. Guidino (C. R. Paris, v. 253, 829, 1961) confirms these results. Orig. art. has:

Card 2/3

ACCESSION NR: AP4031139

ASSOCIATION: Fiziko-tekhnicheskiy institut im. A. F. Ioffe AN SSSR

(Physicotechnical Institute AN SSSR)

SUBMITTED: 180ct63

DATE ACQ: 07May64

ENCL: 00

SUB CODE: NP, GP

NR REF SOV: 005

OTHER: 006

Card 3/3

L 13651-65 EMT(1)/EMO(k)/EPA(sp)=2/EPA(w)-2/EEC(t)/T/EEC(b)-2/EMA(x)-2 P1-U/Po-U/Pz-6/Pab=10 LJP(c)/ESD(t) AT

ACCESSION NR. AP4047890

B/0056/64/047/004/1235/1242

AUTHORS: Il'in, R. N.; Kikiani, B. I.; Oparin, V. A.; Solov'yez,.
Ye. S., Fedoranko, N. V.

WITLE: Formation of highly <u>excited hydrogen atoms</u> in proton charge exchange in gase?

SOURCE: Zhurnal eksperimental noy i teoreticheskoy fisiki, v. 47, no. 4, 1964, 1235-1242

TOPIC TAGS: hydrogen, charge exchange, excited state, proton interaction

ABSTRACT: The purpose of the work was to study the efficiency of proton charge exchange in highly excited states of H in molecular gases, for which there are practically no data. The hydrogen atoms had principal quantum numbers $n \geq 8$, the proton energies were 15-180 keV, and the molecular gases investigated were H_2 , H_2 , and CO_2 .

Cord 1/A

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L 13651-65

ACCESSION NR: AP4047890

The method used to measure the relative number of highly excited atoms in an atomic beam, using dissociating electric fields, was suggested by A. C. Riviere and D. R. Sweetman (Nucl. Fusion Suppl. 1962, Part 1, p. 279; Phys. Rev. Lett. v. 5, 560, 1960). The experimental setup is shown in Fig. 1 of the enclosure. The integral dependence of the proton current I(B) was measured under singlecollision conditions, and was found to be the same, within 15%, for all gases except molecular hydrogen, which gave values of I about 30% higher than nitrogen and carbon dioxide. The differential dependence dI/dE was also measured, and the results used to determine the relative popration of the states. To determine the number of highly excited hydrogen atoms compared with the primary proton beam, the variation of the relative yield with the thickness of the gas target was also studied and was found to increase with increasing target thickness up to 0.1 torr-cm, at which a charge equilibrium was established in the beam. The relative yield of highly excited atoms was determined by ionizing them in a strong electric field (the

Cord 2/4

L 13651-65

ACCESSION NR: AP4047890

6

Lorentz ionization). An estimate of the cross sections for the capture is a state with n = 10 gave values of 10-19-10-20 cm² for the hvestige ed cases. Some depletion of the highly excited states was observed with increase of target thickness in the yield of highly excited atoms relative to the atomic beam. The authors thank N. N. Lebedev and I. P. Skal'skaya for calculating the fields in the gap, and I. F. Kalinkevich, I. T. Berenkov, and V. V. Bagayev for development of the electronic equipment. Orig. art. has: 5 figures, 3 formulas, and 2 tables.

ASSOCIATION: Fiziko-takhnicheskiy institut im. A. F. Ioffe Akademii nauk SSSR (Physicotechnical Institute, Academy of Sciences SSSR)

SUBMITTED: 07May64

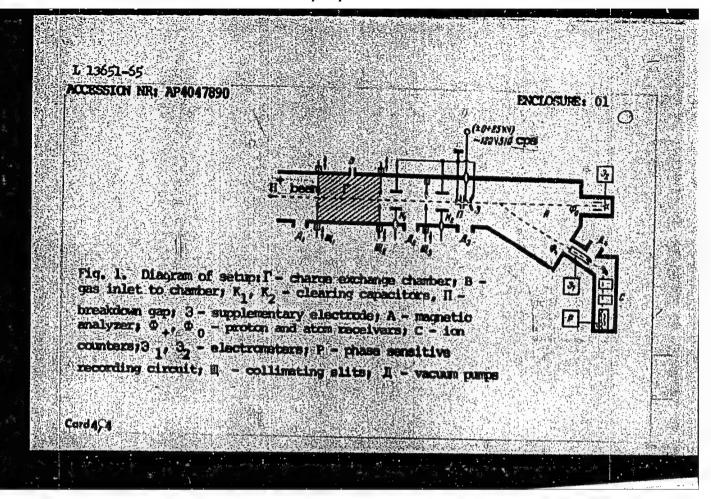
ENCL: 01

SUB CODE: NP

NR REF SOV: 007

OTHER: 007

Cord 3/4



JD/JG EWT(1)/EWT(m)/EWP(t)/EWP(b) LJP(c) SOURCE CODE: UR/0057/65/035/011/2076/2082 89 10672-66 AP5028324 ACC NRI 44153 Ogurtsov, G.N. 94,55 AUTHOR: Flaks, I.P.; Kikiani, B.I. ORG: Physico-technical Institute im. A.F. Ioffe, AN SSSR, Leningrad (Fizikotekhnicheskiy institut AN SSSR) TITLE: Ionization of gases by alkali metal ions 21, 14, 55 SOURCE: Zhurnal tekhnicheskoy fiziki, v. 35, no. 11, 1965, 2076-2082 TOPIC TAGS: inert gas, alkali metal, positive ion, ionization cross section, nitrogen, hydrogen, qua ionization ABSTRACT: The cross sections for ionization of H₂ and N₂ molecules and He, Ne, Ar, Kr, and Xe atoms by 1-30 keV Li⁺, Na⁺, K⁺, and Cs⁺, ions were measured with apparatus and techniques that have been described elsewhere (I.P.Flaks, ZhTF, 31, 367, 1961; and techniques that have been described elsewhere (I.P.Flaks, ZhTF, 31, 367, 1961; B. I. Kikanin, G. N. Ogurtov, N. V. Fedorenko, and I. P. Flaks, ZhTF 49, 379, 1965), and the results are presented graphically, discussed, and compared with the results of other investigators and with the theory of O.B. Firsov (ZhETF, 36, 1517, 1959). The beam current was 10^{-7} - 10^{-8} A; the pressure in the collision chamber was kept below 1.5 x 10-4 mm Hg in order to minimize multiple collisions; the ionization cross sections were derived from measurements of the electron currents. The results were found to be in good agreement with those of W. Sherwin (Phys. Rev., 57, 814, 1940) and J. van Eck, F.J. de Heer, and J. Kistomaker (Proc. V Int. Conf. on Ioniz. Phenom. in Gases, 54, UDC: 537.56 1/3

L 10672-66

ACC NR: AP5028324

Munich, 1964). Larger cross sections were found by C.A.Frische (Phys.Rev., 43, 160, 1933) and N. V. Fedorenko (ZhTF 31, 367, 1961). The discrepancy between the present Na+ --Ar cross sections and those of Fedorenko are ascribed to incorrect pressure measurements by Fedorenko. The interactions of Ar and Kr with Na+, K+, and Cs+, of Ne with Nat and Kt, and Xe with Kt and Cs satisfied the conditions for the applicability of Firsov's statistical theory (loc. cit.). The measured ionization cross sections lay close to Firsov's universal curve, and it is concluded that Firsov's approximate theory affords a useful description of the magnitudes and energy dependences of the cross sections for ionization of inert gases by alkali metal ions. All the cross sections increased monotonically with increasing energy of the bombarding ion. With the two exceptions noted below, the cross section for ionization of an inert gas atom by an alkali metal ion was very nearly equal to the cross section for ionization of the same inert gas atom by the corresponding neutral alkali metal atom, The two exceptions found to this rule are: 1) The measured cross sections for ionization by Cs⁺ ions were considerably greater than the corresponding cross sections for ionization by Cs atoms. This is ascribed to appreciable contribution of electron stripping from the Cs+ ion to the measured cross sections for ionization by Cs+ ions. (The cross sections for ionization by Cs atoms were measured by a different technique (Flaks (1961), loc. cit.) and electron stripping from the Cs atoms did not contribute to the observed cross sections.) 2) Except for ionization of He by Li+, the cross sections for ionization of inert gases by alkali motal ions having the same electron

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EWT(1)/EWT(m)/EWP(b)/EWP(t) ACCESSION NR: AP5021095 UR/0056/65/049/002/037 Fedorenko, N. Ionization produced during collisions of alkali metal 21,44.05 Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 49, no. 2, 1965, SOURCE: 379-385 TOPIC TAGS: collision, collision cross section, gas ionization, alkali metal, atom ABSTRACT: The results are presented of extensive investigations of ionizing collisions between Li, Na, K, and Cs fast atoms and He, Ne, Ar, Kr, and Xe atoms and H2 and N2 molecules. The study was performed in the 3-30 kev energy range. The average results of independent measurements are presented in a table which gives the cross sections of free electron production and of ionization and stripping cross sections. When possible, the data obtained were compared with those of other authors. A comparison of ionization cross sections of gases with stripping cross sections of alkali metal atoms showed in many cases the prevalence of ionization events. It is stressed, however, that in the interactions of alkali metal molecules with the molecules of H_2 and N_2 , the stripping cross sections prevailed over the ionization cross sections of the molecules in the whole range of energies. This **Card** 1/2

L 01217-66

ACCESSION NR: AP5021095

difference was most marked in Li-H₂ and Na-H₂ collisions, i.e., in the collisions of the lightest particles. As a rule, the ionization cross sections showed a continuous increase with the increasing velocity of the colliding particles. At a given velocity, the cross sections increased with the increasing atomic numbers of the particles. Here, however, an exception was observed for pairs with close values of their atomic numbers (e.g., Li-He, Na-Ne, K-Ar, Cs-Xe). The authors feel that their work may be useful in the corpuscular diagnosis of plasmas, and in the study of ionic engines, astrophysics, and mass-spectrometry. Orig. art. has: 3 figures, 1 table, and 3 formulas.

ASSOCIATION: Fiziko-tekhnicheskiy institut im. A. F. Ioffe Akademii nauk SSSR (Physicotechnical Institute, Academy of Sciences, SSSR)

SUBMITTED: 23Feb65

ENCL: 00

SUB CODE: NP

NO REF SOV: 007

THER: 005

ATD PRESS:4098

NA. 2/2

L 25499-66 EWT(1)/EWT(m) IJP(c) JD/JG ACC NR: AP6011395 SOURCE CODE: UR/0057/66/036/003/0491/0496 AUTHOR: Ogurtsov, G.N.; Flaks, I.P.; Kikiani, B.I. ORG: Physicotechnical Institute im, A.F. Ioffe, AN SSSR, Leningrad (Fiziko-tekh-8 nicheskiy institut AN SSSR) 21 TITLE: Charge exchange of alkali metal ions in collisions with gas atoms and molecules SOURCE: Zhurnal tekhnicheskoy fiziki, v. 36, no. 3, 1966, 491-496 TOPIC TAGS: charge exchange, particle cross section, alkali metal, neon, argon, krypton, xenon, nitrogen, hydrogen, collision cross section The charge exchange cross sections of 1 to 30 keV Li+, Na+, K+, and Cs+ ABSTRACT: ions on Ne, Ar, Kr, and Xe atoms and H2 and N2 molecules have been measured by a single collision technique. The authors have described their apparatus in detail elsewhere (ZhFTF, 49, 379, 1965; ZhTF, 35, 2076, 1965; ZhTF, 29, 1100, 1959). The ion beam passed through the collision chamber containing the target gas at a pressure of about 1.5 \times 10⁻⁴ Hg and was swept clear of charged particles by an electrostatic field. The neutral particles remaining in the beam were received in a Faraday cup and their flux was determined from the secondary electron emission to which they gave rise. A background flux measured with the collision chamber empty was subtracted from the measured flux before the cross section was computed. The geometry was such 3

L 25499-66

ACC NR: AP6011395

that particles scattered through angles less than 5° would be recorded. It is estimated that at energies below 3 keV, loss of particles from the beam by scattering may have resulted in underestimation of the cross section by as much as 20%. All the measured charge exchange cross sections increased with increasing relative velocity of the colliding particles, as would be expected on the basis of the adiabatic hypothesis in view of the large energy defects. The cross sections at 30 keV ranged from 10-17 to 3 x 10-16 cm². The cross sections of the different alkali metal ions on the same target gas and for the same relative velocity increased with increasing mass of the ion, even though the energy defects are greater for the heavier ions. This phenomenon is explained as a result of the greater polarizability of the heavier alkali metal atoms. The present results are in good agreement with those of N.V. Fedorenko (ZhTF, 24, 2113, 1954) for Na⁺ on Ar and with those of S.K.Allison, J.Cuevas, and M.Garcia-Munoz (Phys.Rev., 120, 1266, 1960) for Li⁺ on N₂ but there are large discrepancies between the present results and other data in the literature. The authors thank N.V.Fedorenko for his interest and valuable advice, and G.V.Dubrovskiy for discussing the results. Orig. art. has: 3 formulas, 6 figures and 1 table.

SUB CODE: 2

SUBM DATE:

BM DATE: 26May65

ORIG. REF: 004 OTH REF: 008

Card 2/2 CC

KIKIC, S.

Yugoslavia (430)

Technology-Periodicals

The power of installed hydroelectric power stations. p. 7. ELEKTROPRIVREDA. (Savet za energetiku i ekstraktivnu industriju) Beograd. (Monthly journal on power and extractive industry issued by the Board of Power and Extractive Industry; with English, French or Ruffian summaries). Vol. 3, nos. 11 (A-E), Nov.-Dec. 1952.

East European Accessions List, Library of Congress, Vol. 2, no. 6, June 1953. Unclassified.

KIKIC, Sava (Engr.)

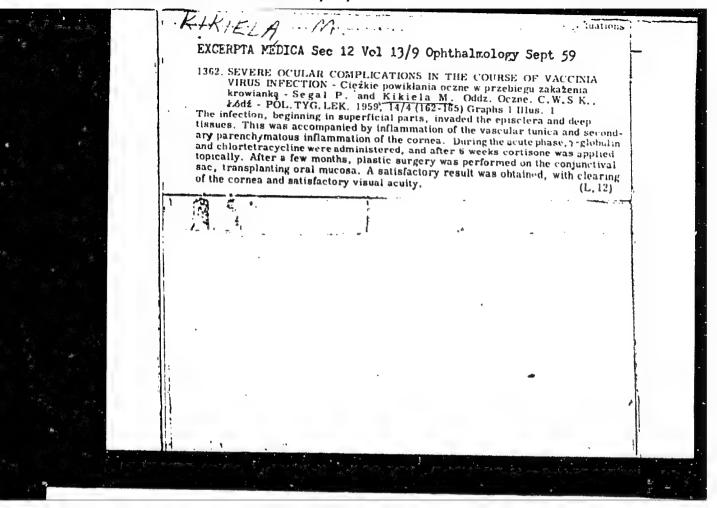
"The Problem of Directing the water from the Drina River watershed to the Morava and Kolubara Rivers watershed".

Mr., M., Dolgredo, B. 195-54, 26 April 1956, ") sgradnja" No. 1-2 for Jan. & Feb. 1954, 1954-inder, Macles.

STEIN, Wladyslaw; KIKIELA, Marian

Two familial cases of Oguchi's diseases. Klin. oczna 26 no.3: 227-234 1956.

1. Z Oddzialu Neurologicznego i Okulistycznego Wojskowego Szpitala Klinicznego Ordynator ODDz. Neurol.: doc. dr. med. W. Stein. Lodz, ul. Zeromskiego 113. (NIGHT BLINDNESS, Oguchi's dis., familial cases (Pol))



POLAND

SEGAL, Pawel, KIKIELA, Marian, MRZYGLOD, Stanislaw, and ZEROMSKA-ZBIERSKA, Izabela; Clinio of Eye Diseases (Klinika Chorob Oczu) WAM [Wojskowa Akademia Nedyczna, Military Medical Academy] in Lodz (Director: Prof. Dr. med. P. SEGAL) and Eye Division (Oddzial Oczny), Military Hospital (Szpital Wojskowy) in Zielona Gora (Ordynator: Dr. M. KIKIELA)

"On the Coexistence of the Familiar Form of Pigmentary Degeneration of the Retina with Kartagener Triade. Case Report."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 23, 3 Jun 63, pp 809-812.

Abstract: [Authors' English summary modified] Authors report a case of Kartagener triade, pigmentary degeneration of the retina, and congenital cataract. They review briefly the literature of this problem, and note that the changes observed in this syndrome are always due to developmental difficulty or degenerative changes, and may therefore have common pathological elements with the classical symptoms of the Kartagener triade. There are 21 references, about evenly divided between Polish, German, and Western publications.

KIKITWICZ, c. APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000722520006-7"

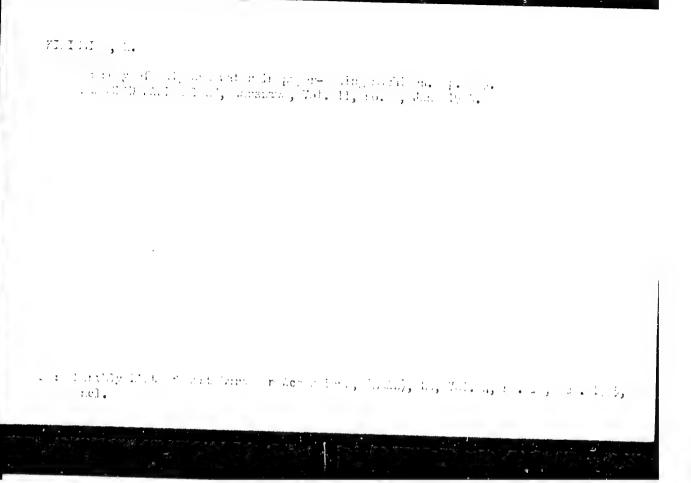
KIKIEWICZ, C. Protection of bridges during ice breaking and high water. p. 70. DROGOWNICTWO. Warszawa, Poland. Vol. 11. No. 3, Mar. 1956

SOURCE: East European Accessions List (EEAL) LC Vol. 5, No. 6, June 1956

KIKIEWICZ, Z.

Technological indexes of grinders. p. 189. (FRZEGLAD PAPIEFNICZY, Vol. 10, No. ℓ , June 1954, Lodz, Poland)

50: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, Vo. 12, Dec. 1954, Uncl.



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KIRIEWICZ, Z.

The usefulness of Haug mills in the light of recent researches. p. 356. PRZEGLAD PAPLERNICZY. Lodz. Vol. 12, no. 12, Dec. 1955

Source: East European Accessions List, (ELAL), Lc, Vol. 5, No. 3, March 1956

NINILWICZ, Z.

POLAND/Chemical Technology. Chemical Products and Their

H-33

Application, Cellulose and Its Production.

Paper.

Abs Jour: Ref. Zhur-Khimiya, No 11, 1958, 38325.

Author : Kikiewicz Z. Inst : Not given.

: Problems of Experimental Pilot Plant Installations in Title

the Cellulose-Paper Industry.

Orig Pub: Przegl papiern, 1956, 12, No 6, 164-165.

Abstract: No abstract.

Card : 1/1

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Determination of power supply for a grinder. p.235 (PRZEGLAD PAPIFRNICZY, Vol. 12, No.8, Aug. 1956, Lodz, Poland)

SO: Monthly List of East European Accessions (FFAL) LC, Vol. 6, No. 9, Sept. 1957, Uncl.

KINIENICZ, Z.

K. V. e ...

Defibering of pulp in the Hydrapulper and Hydrafiner.

P. 296 (PRIEDLAD PARIEDLICZY) (Lodz, Poland) Vol. 13, no. 10, Oct 1957

SO: Monthly Index of East European Ac ssion (EEAI) LC Vol. 7, No. 5. 1958

MIKIEWICZ, Z.

COUNTAY : Polana CALEGORY ABS. JOUR. : RZKhim., so. 16 1959, Jo. 59409 The Same West TLLS : Comparing the Performance ... the Symboliner, the Jordan Mill, and the Continuous Holls CHIG. PUB. : Przeglad Papierz, 15, No 1, 349 (1959) The latter of they was made on Sinnian saliate of Pulose and it domestic [column] eschappes performance muexis for the above-indicated maculines were calculated. It has been found that the hydrefiner is most economical to operate. From sathor's summary SARD: 1/1

KIKIEWICZ, Zbigniew, dr.inz.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000722520006-7"

A research station for the grinding pulps in a continuous way. Przegl papier 18 no.2:58 F '62.

1. Katedra Papiernictwa i Maszyn Papierniczych, Politechnika, Lodz.

KIKIEWICZ, Zbigniew, dr.inz.

Research on the filtering efficiency of the pulpsaver FL-24. Przegl papier 18 no.6:177-181 Je '62

1. Katedra Papiernictwa i Maszyn Papierniczych, Politechnika, Lodz.

KIKIEWICZ, Zbigniew, dr inz.

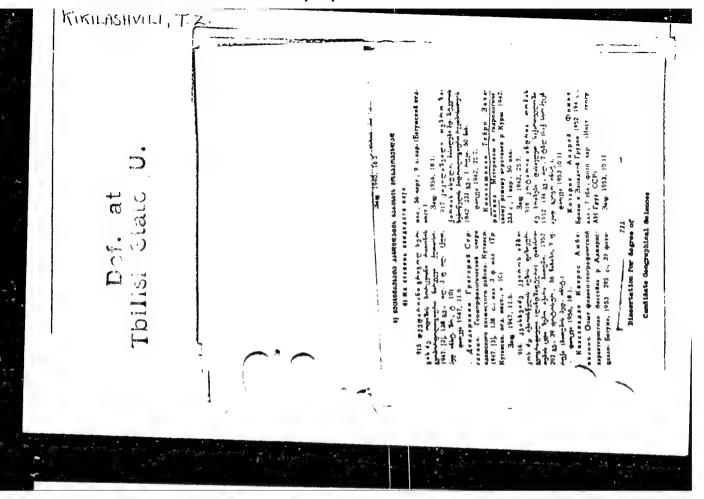
Evaluation of the raw rag beating process by the combined batch-continuous method. Przegl papier 18 no.10:309-313 0 '62.

1. Katedra Papiernictwa i Maszyn Papierniczych, Politechnika, Lodz.

KIKIEWICZ, Zbigniew, doc. dr inz.; KAWKA, Wledzimierz, mgr inz.

Calculation of a spinning defibrator. Przegl papier 21 no.3: 69-72 Mr '65.

1. Department of Paper Manufacture and Paper Machines of the Lodz Technical University.



KIKILASHVILI, T.Z.; KORDZAKHIA, M.O.

Mudflows in the Alazani Basin. Trudy Geog. ob-va Gruz. SSR no.3:33-74
158. (MIRA 12:9)

KIKILASHVILI, T.Z.

Special features of the density of the Kvirila River system.
Trudy Geog.ob-va Grux.SSR 4:145-152 '59. (MIRA 13:1)
(Kvirila River)

KIKILASHVILI T. Z.

Materials on the hydrography of the Iora River Basin. Trudy Geog. ob-va Gruz. SSR 5:199-214 159. (MIRA 13:11) (Iora River-Hydrography)

KIKILASHVILI, T.Z.; APKHAZAVA, I.S.

Hydrology of the Khanistskali Basin. Trudy Geog. ob-va Gruz. SSR 7:119-139 '63. (MIRA 18:5)

KULEBAKIN, P.G.; DENISYUK, Ya.M.; KIKIN, A.A.

Determining the traction resistance of plows in relation to the physicomechanical properties of soil. Trakt.i sel'khozmash. 31 (MIRA 14:7)

1. Sibirskoye otdeleniye AN SSSR.
(Plows) (Soil physics)

KIKifi, A. I., Engr. Cand. Tech. Sci.

Dissertation: "Investigation of the Magnitude of Forces Developed Between a Travelling Crane and its Track." Moscow Order of the Labor Red Banner Construction Engineering Inst imeni V. V. Kuybyshev, 16 Jun 47.

SO: Vechernyaya Moskva, Jun, 1947 (Project #17836)

NININ, ALEKSANDR IVANORICH

KIKIN, At Esanar Ivanovien

KIKIN, Aleksandr Ivanovich (Moscow Order of Labor Red Fanner Construction

Engineering Instiment Kuybyshev), Academic Degree of Doctor of Fechnical
Sciences, based on his defense, 10 March 1955, in the Council of the Inst
of Metallurgy iment Pavkov of the Acad Sci USSR, of his dissertation entitled:

"Peculiarities in the planning of steel structure of huldings and the erection
of metallurgical plants when taking of erating conditions into consideration,"
and Academic Title of Professor. Chair: "Steel Constructions". For the
Academic Degree of Doctor of Sciences and the Academic Title of Professor.

SO: Prulleten' Ministerstva, Vysshego Obrazovaniya SSSR, List No 19, 24 Sept. 1955
Decision of Higher Certification Commission Concerning Academic Degrees and Titles.

KIKIN A.I., doktor tekhn, nauk, prof.

Relationship of service of steel structures in buildings and in bridge cranes. [Izd.] LONITOMASH 43:123-127 *57. (MIRA 11:6) (Structures, Theory of)

KIKIN, A.I., prof., doktor tekhn.nauk

Damage to reinforced concrete roofing slabs in hot-working shops of metallurgical plants. Prom. stroi. 38 no.10:47-50 *60.

(Roofing, Concrete)

(MIRA 13:9)
(Metallurgical plants)

VLADOVSKIY, Mikhail Semenovich; KOTLYAROV, P.F., inzh.; KIKIN, A.I., doktor tekhn. nauk, prof., retsenzent; POPOVICH, N.A., kand. tekhn. nauk, dots., retsenzent; OKRAYNETS, G.A., kand. tekhn. nauk, dots., otv. red.; NESTERENKO, A.S., red.; TROFIMENKO, A.S., tekhn. red.

[Open crane gantries; performance and design] Otkrytye podkranovye estakady; deistvitel'naia rabeta i proektirovanie. Khar'kov, Izd-vo Khar'kovskogo gos. univ. im. A.M.Gor'kogo, 1961. 210 p. (MIRA 15:4)

KIKIN, A.I., prof.; BELENYA, Ye.I., prof.; STRELET.KIY, N.S., prof., doktor tekhm. nauk; LESSIG, Ye.N., dots.; LOKHATOV, K.K., dots.; DUBINSKIY, G.S., dots.; SHESTAK, G.A., dots.; IGNAT'YEVA, V.S., dots.; LYMAKOV, V.M., dots.; GENINEV, A.N., prof.; VEDENIKOV, G.S., dots.; TUEIN, S.M., kand. tekhm. nauk, nauchnyy red.; BEGAK, B.A., red. izd-va; OSENKO, L.M., tekhm. red.

[Metal construction; present state and outlook for future development] Metallicheskie konstruktsii; sostoianie i prespektivy razvitiia. Pod obshchei red. N.S.Streletskogo. Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1961. 333 p. (MIRA 15:4)

1. Moscow. Moskovskiy inzhenerno-stroitel'nyy institut.
2. Kafedra metallicheskikh konstruktsiy Moskovskogo inzhenerno-stroitel'nogo institituta imeni V.V.Kuybysheva (for all except Tubin, Begak, Osenko).

(Building, Iron and steel)
(Aluminum, Structural)

KIKIN, A.I.; RUSAKOV, I.F.; KOYENMAN, M.Kh.

Aspects of the functioning of longitudinal monitors arranged along the center rows of columns of industrial buildings. Izv.vys.-uch.zav.; stroi. i arkhit. 5 no.4:70-74 162. (MIRA 15:9)

1. Moskovskiy ordena Trudovogo Krasnogo Znameni inzhenerno-stroitel'nyy institut imeni V.V.Kuybysheva. (Factories-Design and construction)

LUBNIN, Aleksandr Il'ich, inzh.; LIBERMAN, Semen Ahramovich, inzh.;

SKAZHENIK, Georgiy Dmitriyevich, inzh.; MILLER, Viktor
Yakovlevich, inzh.; PETRAKOV, Andrey Ivanovich, inzh.;

USHAKOV, Nikolay Alekseyevich, kand. tekhn. nauk; VAD'YAYEV,
Gavriil Mikhaylovich, inzh.; TIMYANSKIY, Samuil Yakovlevich,
arkh.; KIKIN, A.I., doktor tekhn. nauk, prof., red.; BEGAK,
B.A., red.; SHERSTNEVA, N.V., tekhn. red.

[Designing buildings and structures for metallurgical plants] Procktirovanie zdanii i sooruzhenii metallurgicheskikh za-vodov [By] A.I.Lubnin i dr. Moskva, Gosstroiizdat, 1963. 321 p. (MIRA 17:2)

1. Gosudarstvennyy institut proyektirovaniya metallurgicheskikh zavodov (for Tinyanskiy). 2. Gosudarstvennyy institut po proyektirovaniyu, issledovaniyu i ispytaniyu stal'nykh konstruktsiy i mostov (for Petrakov). 3. TSentral'nyy nauchnoissledovatel'ekiy i proyektno-eksperimental'nyy institut pronychlennykh zdaniy i sooruzheniy (for Ushakov).

KIKIN, B.

Using graphic methods in the management of agricultural enterprises. Biul.nauch.inform.: trud i zar. plata 3 no.9:34-40 '60. (MIRA 17:9)

(Graphic methods)

(Farm management)

01

KIKIN, B.I., kand.ekonom.nauk; SULKOVSKAYA, M., red.; SMIRNOVA, Ye., tekhn.red.

[Problems in the management of machine-tractor stations]
Voprosy upravlenia MTS. Moskva, Gos.izd-vo sel'khoz.lit-ry,
1943. 95 p.
(Machine-tractor stations)

- 1. KIKIN, B. I.
- 2. USSR (600)
- 4. Machine-Tractor Stations
- 7. Progressive dispatch practice at machine-tractor stations. Dost. sel'khoz.

9. Monthly List of Russian Accessions, Library of Congress, January 1953, Unclassified.

KIKIN, B. I.

Machine-Tractor Stations

Administration in leading tractor brigades of machine-tractor stations, Post. sel'khoz., No. 8, 1952.

Monthly List of Russian Accessions, Library of Congress, November 1052. UNCLASSIFIED.

Dispatching in agriculture. Biul.mauch.inform.: trud i zar.plata no.11:36-43 '59. (Radio in agriculture) (MIRA 13:5) (Machine tractor stations)

SHUMTATSKIY, V., inzhener-mayor, dotsent, kandidat tekhnicheskikh nauk, laureat Stalinskoy premii; KIKIN, D., inzhener-mayor, kandidat tekhnicheskikh nauk.

On wave resistence in supersonic flight. Vest.Vozd.Fl. 34 no.12: 62-73 D '51. (MLRA 8:3)

(Aerodynamics, Supersonic)

\$/040/63/027/002/013/019

AUTHOR:

Kikin, D. B. (Moscow)

TITLE:

Extremal properties of the solutions of certain classes of partial differential equations of the second order and their application to the flow of gases

PERIODICAL:

Prikladnaya matematika i mekhanika, v. 27, no. 2,

1963, 356-358

TEXT: In connection with the theoretical investigation of compressible and incompressible fluids the following theorem is established: If the differential operator $L(u) = \phi(x, y, u_x, u_y, u_{xy}, u_{yy})$ is such that its application to any twice-differentiable function f(x,y) at its maximum N_0 and in some neighborhood of N_0 gives a non-positive value, and $\oint u_{xx}(N_0) > 0$ or $\oint u_{yy}(N_0) > 0$, then the solution u(x, y) of the equation L(u) = 0 cannot take a maximum at this point or in the considered neighborhood of it. The applica-Card 1/2

Extremal properties of ...

\$/040/63/027/002/013/019 D251/D308

tion to gas dynamics and to problems of finding the relationship between the stream function and the velocity potential is shown.

SUBMITTED: December 12, 1962

KIKIN, D.B. (Moskva)

Extremum properties of the solutions to certain classes of second-order partial differential equations and their applications second-order partial dilierential equations and mich applicate gas flows. Prikl.mat.i mekh. 27 no.2:356-358 Mr-Ap 163. (MIRA 16:4)

(Differential equations, Partial) (Gas flow)

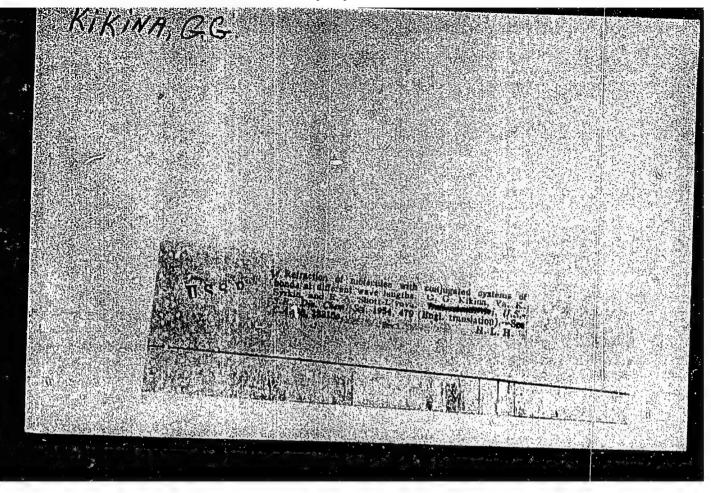
KIKIN, D.B. (Moskva)

Extremum properties of solutions to certain classes of secondorder partial differential equations and their application to gas flows. Izv. vys. ucheb. zav.; mat. no.5:5%.50 (63. (17.5.1.11))

KIKIN, V.

Gemuine businesslike aid is in order, Sov.profsoiusy 4 no.4:51-52 (MIRA 9:7)

l. Nachalinik tsekha Voronezhskogo zhirokombinata.
(Trade unions)



APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000722520006-7"

KIKINA, G.G

USSR/Chemistry

Refraction

Card

: 1/1

Authors

Kikina, C. G., Syrkin, Ya. K., and Shott-L'vova, E. A.

Title

Refractions of molecules with conjugated bonds at different wave lengths

Periodical

: Izv. AN SSSR, Ctd. Khim. Nauk, 3, 563 - 564, May - June 1954

Abstract

The relation between refraction and additiveness is discussed and the problem of determining refraction extrapolated in accordance with infinitely long waves, is explained. The molecular refraction was measured for eight substances (benzene, naphthalin, anthracene, phenanthrene, acenaphthene, triphenylmethane, p-benzoquinone and phenanthrene quinones) using seven different wave lengths and the results are shown in table. One USSR reference.

Institution

: The M. V. Lomonosov Institute of Delicate Chemical Technology, Hoscow

Submitted

: February 16, 1954

UGORETS, I.I.; LAVRENENKO, K.D.; BONDAREV, N.M.; PIATONOV, N.A.;

ACHKASOV, D.I.; MEHITARTAN, S.G.; SAVINTH, A.I.; MALTUTIN. I.P.

VLADIMIROV, P.N.; MOSKOVSKIY, J.A.; GKL-FAMD, M.Z.; KARAVAI, H.M.

BESPROZVANNYY, I.A.; KIXINA, M.I.; TRETNIKOVA, Te.M.

Nikolai Nkolaevich Romanov; obituary. Elek.sta. 27 no.4:63 Ap '56.

(MLRA 9:8)

(Romanov, Mikolai Nikolaevich, 1906-1956)

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L 49780-65 EPP(e)/EPR/ LUP(e)/EPL WW/RM ACTESSION ER: AR5012234	WP(j)/EMA(c)/EMT(1)/EMT(a) Pc-4/Pr-4/Ps-4 UR/0058/65/000/003/D015/DUL5
	Abs. 30100 Repaired V. B. : Resynor. Te. P. : Klochkovskiy. No. V. : N.
ANTHORS: BOLOTIDA, S. B. RILLINA, V. B. J. Sverdlov, L.	Nime in the spectra of molecules of
TITE: Calculation and in various classes	po spektroakopii. An SSSR, Typ. 1, 1964, 120-124
CITED SOURCE: Tr. Komis.	pectrum, organic molecule, isotopic substitute, force
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and certain isotopic sub	ifC-CH2, PoC-CHO1, 018-trans 2222 field of these mole- titutes. The features of the force field of these mole-
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Carl 2/8					

FRANK, K.; KIKINDAI, E.

Data on the prophylaxis and therapy of whooping cough in hospitalized sick. Gyernekgyogyassat 4 no.5:157-159 May 1953. (CIML 25:1)

1. Doctors. 2. Pediatric and Infectious Department (Head Physician -- Dr. Kalman Frank), Vas County Council Hospital, Szombathely.

ZAKHARIEV, Aleksandur; POPOV, Ivan; STANCHEV, Stancho; KIKINLONOV, Todor

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